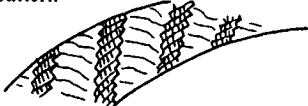
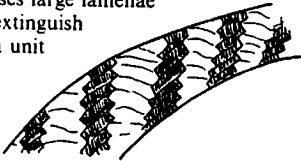
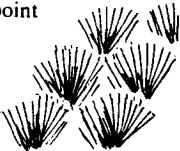

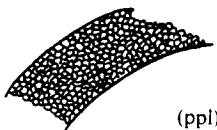


Table 4.2 (Contd.)

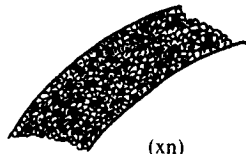
Microstructure Common minerals (rare minerals in parenthesis)	Appearance of thin section in ordinary transmitted light	Appearance of thin section under crossed polars	Examples
<i>Crossed lamellar</i>	Layer of large lamellae, each lamella composed of small flat crystals, uniformly inclined in plane of larger lamella giving herringbone pattern	Uniform orientation of optic axes in small crystals sometimes causes large lamellae to extinguish as a unit	Molluscs
Aragonite (Calcite)			
<i>Spherulitic fascicle</i> Aragonite (Calcite)	Fibres radiating fan-like outwards from a point centre which is dark due to the concentration of very fine crystals	Each fibre extinguishes as a unit	Coelenterates
			

These arrangements of crystals in skeletons may lose their characteristic fabric during diagenesis by neomorphic processes. The common end-products of neomorphism are:

1. Microcrystalline calcite (aragonite) crystals 1–10 μm



(ppl)

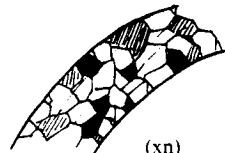


(xn)

2. Sparry calcite (aragonite) crystals 10–500 μm



(ppl)



(xn)